

CS 548—Enterprise Software Architecture and Design
Assignment Four—Object Relational Mapping—Rubric

1. Report -30

- a. ☐ SQL scripts for creating tables 10
- b. ☐ Video showing generation of SQL scripts 20

2. Patient entity: -15

- a. ☐ @Id @GeneratedValue Declare primary key 5
- b. ☐ @OneToMany relationship to Treatment 10
 - i. cascading removal
 - ii. mappedBy attribute set

3. Treatment entity: -35

- c. ☐ @Id @GeneratedValue Declare primary key 5
- d. ☐ @ManyToOne relationship to Patient, Provider 10
- e. ☐ @Inheritance, use join strategy or table-per-subclass strategy 10
 - i. Discriminator column is *not* required except for single-table strategy
- f. ☐ @Temporal for date fields 5
- g. ☐ Radiology dates: @ElementCollection 5

4. Provider entity: 15

- h. ☐ @Id Declare primary key (may be NPI or auto-generated) 5
- i. ☐ @OneToMany relationship to Treatment 10
 - i. cascading removal
 - ii. mappedBy attribute set

5. Completed rubric: ☐ 5

Total: